

# Vline Panel Filter

## Synthetic Media

### VL2 45mm Deep



### General Description

The VLine pleated Panel filter is an economy specific disposable product offering a better than basic level of filtration, or pre-filtration in HEVAC applications. This product is made using patented filter media which offers an upgrade from traditional cotton polyester products.

### Construction

This product is constructed by bonding a pleat pack of VLine Synthetic Media into a water repellent AquaKote® card frame.

### The VLine Filter Media

Has a graduated density for even dirt loading, resulting in greater dust holding Electrostat is hydrophobic – so will not load with moisture in the air  
Has a constant efficiency due to its extra electrostatic charge  
Superior Efficiency V's Particle size (see table). The filter has a low pressure drop. The fibres are continuous so will not shed.

### Frame Features

Jasun Envirocare use the heaviest AquaKote board available at 710microns for the entire range of panel filters we produce. The Elmendorf wet tear strength is rated at a massive 6963mN. The adhesive used is specially formulated to maintain adhesion even under wet conditions.

The expanded steel backing to the media is designed to provide maximum support whilst offering minimal airflow resistance

### Operating Temperature

Continuous 80 °Centigrade

Part No.	Nominal Size Inches	Height (mm)	Width (mm)	Depth (mm)	Rated Airflow m³/hr
VL2-1010	10x10x2	241	241	45	525
VL2-1212	12x12x2	292	292	45	770
VL2-1515	15x15x2	368	368	45	1220
VL2-1616	16x16x2	394	394	45	1400
VL2-1818	18x18x2	445	445	45	1785
VL2-2010	20x10x2	495	241	45	1075
VL2-2015	20x15x2	495	368	45	1640
VL2-2016	20x16x2	495	394	45	1760
VL2-2020	20x20x2	495	495	45	2210
VL2-2412	24x12x2	594	292	45	1565
VL2-2420	24x20x2	594	495	45	2650
VL2-2424	24x24x2	594	594	45	3180
VL2-2516	25x16x2	622	394	45	2210
VL2-2520	25x20x2	622	495	45	2775

### Performance

<b>Filter Class ISO16890</b>	<b>ISO Coarse 85%</b>
<b>Initial Gravimetric Arrestance</b>	<b>89%</b>
<b>Filter Class EN779:2012</b>	<b>G4</b>
<b>Filter Depth</b>	<b>45mm</b>
<b>Rated Airflow</b>	<b>2.5m/second</b>
<b>Initial Pressure Drop</b>	<b>65Pa</b>
<b>Final Pressure Drop*</b>	<b>200Pa</b>

\*This is a recommended value only

